

Page 17, line 28, change "FIG. 22" to -- FIG. 23 --.

IN THE CLAIMS:

Please cancel the following claims, without prejudice:

3, 5-17, 35, 36 and 38-41.

Please amend claims 1, 19, 26, 31, 33, 34 and 37 as follows:

a1

1. (Amended) A method of applying therapeutic ultrasound to a location within a body, comprising: activating a transducer to produce ultrasound at a pulse repetition period of $T \leq 1000$ milliseconds and directing this ultrasound to a location within a body and at appropriate power, frequency and pulse duration, to generate cavitation at the location.

a2

6 19. (Amended) A method of applying therapeutic ultrasound to a location within a body, comprising: producing ultrasound with a pulse duration of $\tau \leq 100$ milliseconds and transmitting the ultrasound to a location within a body via a transmission member which is at least partially inserted into the body and applying said ultrasound under conditions of appropriate power, frequency pulse duration τ and pulse repetition period T , so as to generate cavitation at the location.

a3

11 26. (Amended) The method of claim 25, wherein the frequency of the ultrasound produced is about 20-100 KHz.

a4

(5) 31. (Amended) The method of claim 23, wherein the ultrasound is produced with a transducer operated at a peak power output [is] of about 15 to 30 watts.

a 5 19 33. (Amended) The method of claim 19, wherein the device is operated at a pulse repetition period $T \leq$ about 1000 milliseconds and at a duty ratio T/τ about ≥ 5 .

a 5 20 34. (Amended) The method of claim 19, wherein the device is operated at a pulse repetition period $T \leq$ about 1000 milliseconds and at a duty ratio T/τ about ≥ 8 .

a 6 21 37. (Amended) The method of claim 19, including the steps of inserting a guide catheter within the body and positioning the transmission member within the guide catheter, wherein the transmission member is [located within a guide catheter and is] substantially unsheathed within the guide catheter and transmitting the ultrasound to the location within the body via the unsheathed transmission member.

R E M A R K S

This Amendment is submitted in response to the outstanding Office Action, wherein the Examiner indicated that claims 3, 5-17, 35, 36 and 38-41 were withdrawn from consideration, rejected claims 1, 2, 4, 19-34 and 37, and indicated that claim 18 is directed to allowable subject matter. This indication of allowable subject matter is noted with appreciation. Reconsideration of the application in view of the amendments herein and the following remarks is respectfully requested.

The Examiner required an election between claims directed to an invasive method and a non-invasive method. Applicants have elected to prosecute the invasive method claims and have canceled, without prejudice, claims directed to the non-invasive method (3, 5-17, 35, 36, 38-41).